

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) :	Thomas A. Szyperski)	Examiner:
Serial No.	: 09/897,583)	Unknown
Filed	: June 29, 2001)	Art Unit: 2862
Publication No.:	US 2002/0041850 A1)	
Published	: April 11, 2002)	
For	: METHOD OF USING REDUCED DIMENSIONALITY NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY FOR RAPID CHEMICAL SHIFT ASSIGNMENT AND SECONDARY STRUCTURE DETERMINATION OF PROTEINS)	PROCESSED BY PG PUB DIVISION JUN 12 2002

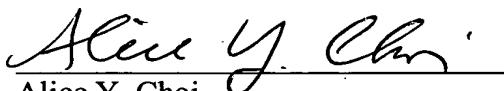
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Dear Sir:

Transmitted herewith in the above-identified application are:

- A Request for Republication of a Patent Application Publication, with Appendix;
- A copy of the claims section of patent application publication;
- A diskette containing an electronic version of the patent application; and
- A self-addressed, prepaid postcard for acknowledging receipt.
- The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1138. A duplicate copy of this sheet is enclosed.

Date: June 4, 2002


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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Jon Lachel, 2231 Crystal Drive, Crystal Park 3, Rm 905, Arlington VA 22202 Date <u>June 4, 2002</u> Ruth R. Smith Ruth R. Smith	

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Applicant(s) :	Thomas A. Szyperski)	Examiner:
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For :	METHOD OF USING REDUCED)	JUN 12 2002
	DIMENSIONALITY NUCLEAR MAGNETIC)	
	RESONANCE SPECTROSCOPY FOR RAPID)	
	CHEMICAL SHIFT ASSIGNMENT AND)	
	SECONDARY STRUCTURE)	
	DETERMINATION OF PROTEINS)	

REQUEST FOR REPUBLICATION OF A PATENT APPLICATION PUBLICATION

Jon Lachel
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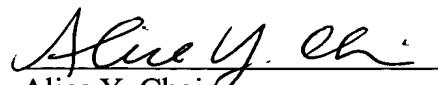
Dear Sir:

Applicant hereby requests a republication of the above-identified patent application to correct material errors discovered in the claims. A description of these errors is provided in the Appendix attached hereto. In order to aid the U.S. Patent and Trademark Office ("PTO") in identifying the errors, applicant encloses a copy of the claims section of the patent application publication with the incorrect text highlighted as well as a diskette containing an electronic version of the above patent application as filed.

Since the errors were created by the PTO, no fee is required. If additional fees are required, however, the Commissioner is hereby authorized to charge any fees to Deposit Account No. 14-1138.

Respectfully submitted,

Date: June 4, 2002


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R585021.1

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
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Crystal Park 3, Rm 905, Arlington, VA 22202
Date June 4, 2002 Ruth R. Smith Ruth R. Smith

Appendix

In the Claims:

In claim 1, line 2, “HA,CA,(CO),N,HN” should be changed to “HA,CA,(CO),N,HN”.

In claim 5, line 4, “ $^{13}C_{i-1}^{\alpha}$ ” should be changed to “ $^{13}C_{i-1}^{\alpha}$ ”.

In claim 5, line 15, “ $^{13}C_{\alpha i-1}^{\alpha}$ ” should be changed to “ $^{13}C_{i-1}^{\alpha}$ ”.

In claim 9, line 6, “ $^1H_{Ni}^N$ ” should be changed to “ $^1H_i^N$ ”.

In claim 13, line 2, “H,C,-(C-TOCSY-CO),N,HN” should be changed to “H,C,-(C-TOCSY-CO),N,HN”.

In claim 14, line 3, “ ^{15}N ” should be changed to “ $^{15}N_i$ ”.

In claim 15, line 11, “ $\omega_3(^{HN})$ ” should be changed to “ $\omega_3(^1H^N)$ ”.

In claim 20, line 2, “ $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ ” should be changed to “ $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ ”.

In claim 20, line 23, “ $t_1(^{13}\alpha/\beta)$ ” should be changed to “ $t_1(^{13}C^{\alpha/\beta})$ ”.

In claim 20, lines 32-33, “ $\omega_1(^{13}C^{\alpha/\beta})$ ” should be changed to “ $\omega_1(^{13}C^{\alpha/\beta})$ ”.

In claim 21, line 11, “ $^{13}C_i^{\alpha}$,” should be changed to “ $^{13}C_i^{\alpha}$ ”.

In claim 26, line 2, “ $H^{\alpha/\beta},C^{\alpha/\beta},N,HN$ ” should be changed to “ $H^{\alpha/\beta},C^{\alpha/\beta},N,HN$ ”.

In claim 26, line 9, “ $^{15}N_i^N$ ” should be “ $^{15}N_i$ ”.

In claim 26, lines 33-34, “ $\omega_1(^{13}C^{\alpha/\beta})$ ” should be changed to “ $\omega_1(^{13}C^{\alpha/\beta})$ ”.

In claim 27, line 6, “ $^1H_i^{\alpha}$ ” should be changed to “ $^1H_i^N$ ”.

In claim 30, line 6, “ $^1N_i^N$ ” should be changed to “ $^1H_i^N$ ”.

In claim 32, line 2, “H,C,C,H-COSY” should be changed to “H,C,C,H-COSY”.

In claim 32, line 27, “ $\omega_2(^{13}C^m)$ ” should be changed to “ $\omega_2(^{13}C^n)$ ”.

In claim 32, line 29, “ $\omega_1(^{13}C_m)$,” should be changed to “ $\tilde{\omega}_1(^{13}C^m)$ ”.

In claim 35, line 2, “ $^{13}C_m^m$ ” should be changed to “ $^{13}C_m^n$ ”.

In claim 38, line 2, “H,C,C,H-TOCSY” should be changed to “H,C,C,H-TOCSY”.

In claim 42, line 6, “ $^1H^n$ ” should be changed to “ $^1H^m$ ”.

In claim 44, line 2, “HB,CB,(CG,CD),HD” should be changed to “HB,CB,(CG,CD),HD”.

In claim 44, line 7, “ $^{13}C^{\beta}$ ” should be changed to “ $^{13}C^{\beta}$ ”.

In claim 50, line 2, “H,C,H-COSY” should be changed to “H,C,H-COSY”.

In claim 50, line 23, “ $^1H^n$ ” should be changed to “ $^1H^m$ ”.

In claim 53, line 9, “HA,CA,(CO),N,HN” should be changed to
“HA,CA,(CO),N,HN”.

In claim 53, line 15, “HNNCAHA” should be changed to “HNNCAHA”.

In claim 53, line 20, “¹H_i” should be changed to “¹H^α”.

In claim 54, lines 2-3, “H^{α/β}C^α_β(CO)NHN” should be changed to
“H^{α/β}C^{α/β}(CO)NHN”.

In claim 54, line 6, “¹³C^α_{i-1}” should be changed to “¹³C^α_{i-1}”.

In claim 55, lines 2-3, “H^{α/β},C^{α/β},CO,HA” should be changed to
“H^{α/β},C^{α/β},CO,HA”.

In claim 55, line 11, “H^{α/β},C^{α/β},CO,HA” should be changed to
“H^{α/β},C^{α/β},CO,HA”.

In claim 55, lines 13-14, “HA,CA,(CO),NHN” should be changed to
“HA,CA,(CO),N,HN”.

In claim 55, line 14, “HNNCAHA” should be changed to “HNNCAHA”.

In claim 55, line 15, “H^{α/β}C^{α/β}(CO)NHN” should be changed to
“H^{α/β}C^{α/β}(CO)NHN”.

In claim 56, line 2, “H^{α/β},C^{α/β},N,HN” should be changed to “H^{α/β},C^{α/β},N,HN”.

In claim 56, line 7, “¹Hβ_i,” should be changed to “¹H^β_i”.

In claim 56, line 9, “H^{α/β}C^{α/β}(CO)NHN” should be changed to
“H^{α/β}C^{α/β}(CO)NHN”.

In claim 57, line 9, “H^{α/β}C^{α/β}(CO)NHN” should be changed to
“H^{α/β}C^{α/β}(CO)NHN”.

In claim 58, line 3, “HB,CB,(CG,CG),HD” should be changed to “HB, CB,
(CG,CD), HD”.

In claim 58, line 6, “¹H^β_{i-1};” should be changed to “¹H^δ_{i-1}”.

In claim 58, line 9, “HB,CB,(CG,CD),HD” should be changed to
“HB,CB,(CG,CD),HD”.

In claim 58, line 11, “H^{α/β}C^{α/β}(CO)NHN” should be changed to
“H^{α/β}C^{α/β}(CO)NHN”.

In claim 59, line 2, “H,C,C,H-COSY” should be “H,C,C,H-COSY”.

In claim 59, line 3, “H,C,C,H-TOCSY” should be “H,C,C,H-TOCSY”.

In claim 59, line 11, “H,C,C,H-COSY” should be “H,C,C,H-COSY”.

In claim' 59, line 12, "H,C,C,H-TOCSY" should be "H,C,C,H-TOCSY".

In claim 59, line 14, "HA,CA,(CO),N,HN should be changed to
HA,CA,(CO),N,HN".

In claim 59, line 15, "HNNCAHA" should be changed to "HNNCAHA".

In claim 59, line 16, " $H^{\alpha/\beta}C^{\alpha/\beta}(CO)NHN$ " should be changed to
 $H^{\alpha/\beta}C^{\alpha/\beta}(CO)NHN$ ".

In claim 60, line 2, "HNN<CO,CA>" should be changed to "HNN<CO,CA>".

In claim 60, line 9, "HNN<CO,CA>" should be changed to "HNN<CO,CA>".

In claim 60, line 12, "HA,CA,(CO),N,HN should be changed to
HA,CA,(CO),N,HN".

In claim 60, line 13, "HNNCAHA" should be changed to "HNNCAHA".

In claim 61, lines 2-3, " $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ " should be changed to
 $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ ".

In claim 61, line 5, " $^1H_i^{\alpha}$," should be changed to " $^1H_i^{\beta}$,".

In claim 61, line 6, " $^{13}C_i^{\alpha}$," should be changed to " $^{13}C_i^{\beta}$,".

In claim 61, line 9, "HNN<CO,CA>" should be changed to "HNN<CO,CA>".

In claim 61, line 18, "HNN<CO,CA>" should be changed to
"HNN<CO,CA>".

In claim 61, lines 19-20, " $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ ", should be changed to
 $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ ".

In claim 62, lines 3-4, "H,C,(C-TOCSY-CO),N,HN" should be changed to
"H,C,(C-TOCSY-CO),N,HN".

In claim 62, line 12, "HNNCAHA" should be changed to "HNNCAHA".

In claim 62, line 13, "HA,CA,(CO),N,HN" should be changed to
"HA,CA,(CO),N,HN".

In claim 62, lines 15-16, "H,C,(C-TOCSY-CO),N,HN" should be changed to
"H,C,(C-TOCSY-CO),N,HN".

In claim 63, line 2, "H,C,C,H-COSY" should be changed to "H,C,C,H-COSY".

In claim 63, line 3, "H,C,C,H-TOCSY" should be replaced with "H,C,C,H-TOCSY".

In claim 63, line 11, "H,C,C,H-COSY" should be changed to "H,C,C,H-COSY".

In claim 63, lines 11-12, H,C,C,H-TOCSY" should be changed to "H,C,C,H-TOCSY".

In claim 63, line 14, "HA,CA,(CO),N,HN" should be changed to "HA,CA,(CO),N,HN".

In claim 63, line 15, "HNNCAHA" should be changed to "HNNCAHA".

In claim 64, line 10, " $H^{\alpha/\beta}C^{\alpha/\beta}(CO)NHN$ " should be changed to " $H^{\alpha/\beta}C^{\alpha/\beta}(CO)NHN$ ".

In claim 64, line 16, " $^{15}N_i$ " should be changed to " $^{15}N_i$ ".

In claim 64, line 18, " $H^{\alpha/\beta},C^{\alpha/\beta},N,HN$ " should be changed to " $H^{\alpha/\beta},C^{\alpha/\beta},N,HN$ ".

In claim 64, lines 30-31, " $_{13}C^{\alpha/\beta}_{\beta i-1}$ " should be changed to " $^{13}C^{\alpha/\beta}_{i-1}$ ".

In claim 65, lines 2-3, "HA,CA,(CO),N,HN" should be changed to "HA,CA,(CO),N,HN".

In claim 65, lines 6-7, " $H^{\alpha/\beta}C^{\alpha/\beta}\beta(CO)NHN$ " should be changed to " $H^{\alpha/\beta}C^{\alpha/\beta}(CO)NHN$ ".

In claim 65, lines 7-8, " $H^{\alpha/\beta},C^{\alpha/\beta},N,HN$ " should be changed to " $H^{\alpha/\beta},C^{\alpha/\beta},N,HN$ ".

In claim 66, lines 2-3, " $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ " should be changed to " $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ ".

In claim 66, line 10, " $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ " should be changed to " $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ ".

In claim 66, lines 11-12, " $^1H^\beta, ^{13}C^\beta, ^1H^\alpha, ^{15}N$, and $^1H^N$ " should be changed to " $^1H^\beta, ^{13}C^\beta, ^1H^\alpha, ^{13}C^\alpha, ^{15}N$ and $^1H^N$ ".

In claim 66, lines 12-13, " $H^{\alpha/\beta}C^{\alpha/\beta}\beta(CO)NHN$ " should be changed to " $H^{\alpha/\beta}C^{\alpha/\beta}(CO)NHN$ ".

In claim 66, lines 13-14, " $H^{\alpha/\beta},C^{\alpha/\beta},N,HN$ " should be changed to " $H^{\alpha/\beta},C^{\alpha/\beta},N,HN$ ".

In claim 67, line 2, "HNN<CO,CA>" should be changed to "HNN<CO,CA>".

In claim 67, line 9, " $^{13}C_i$ " should be changed to " $^{13}C_i^\alpha$ ".

In claim 67, line 9, "HNN<CO,CA>" should be changed to "HNN<CO,CA>".

In claim 67, line 12, " $H^{\alpha/\beta}(CO)NHN$ " should be changed to " $H^{\alpha/\beta}C^{\alpha/\beta}(CO)NHN$ ".

In claim 67, lines 12-13, “ $H^{\alpha/\beta}, C^{\alpha/\beta}, N, HN$ ” should be changed to “ $\underline{H}^{\alpha/\beta}, \underline{C}^{\alpha/\beta}, N, HN$ ”.

In claim 68, lines 2-3, “ $H^{\alpha/\beta}, C^{\alpha/\beta}, CO, HA$ ” should be changed to “ $\underline{H}^{\alpha/\beta}, \underline{C}^{\alpha/\beta}, CO, HA$ ”.

In claim 68, line 6, “ $HNN < CO, CA >$ ” should be changed to “ $HNN < \underline{CO}, \underline{CA} >$ ”.

In claim 68, line 15, “ $HNN < CO, CA >$ ” should be changed to “ $HNN < \underline{CO}, \underline{CA} >$ ”.

In claim 68, lines 16-17, “ $H^{\alpha/\beta}, C^{\alpha/\beta}_{\beta}, CO, HA$ ” should be changed to “ $\underline{H}^{\alpha/\beta}, \underline{C}^{\alpha/\beta}, CO, HA$ ”.

In claim 69, lines 2-3, “ $H, C, (C-TOCSY-CO), N, HN$ ” should be changed to “ $\underline{H}, \underline{C}, (C-TOCSY-CO), N, HN$ ”.

In claim 69, lines 10-11, “ $H^{\alpha/\beta} C^{\alpha/\beta}_{\beta} (CO) NHN$ ” should be changed to “ $\underline{H}^{\alpha/\beta} \underline{C}^{\alpha/\beta} (CO) NHN$ ”.

In claim 69, lines 11-12, “ $H^{\alpha/\beta}, C^{\alpha/\beta}, N, HN$ ” should be changed to “ $\underline{H}^{\alpha/\beta}, \underline{C}^{\alpha/\beta}, N, HN$ ”.

In claim 69, line 14, “ $H, C, (C-TOCSY-CO), N, HN$ ” should be changed to “ $\underline{H}, \underline{C}, (C-TOCSY-CO), N, HN$ ”.

In claim 70, line 9, “ $H^{\alpha/\beta} C^{\alpha/\beta} (CO) NHN$ ” should be changed to “ $\underline{H}^{\alpha/\beta} \underline{C}^{\alpha/\beta} (CO) NHN$ ”.

In claim 71, line 3, “ $HB, CB, (CG, CD), HD$ ” should be changed to “ $\underline{HB}, \underline{CB}, (CG, CD), HD$ ”.

In claim 71, line 9, “ $HC, CB, (CG, CD), HD NMR$ ” should be changed to “ $\underline{HC}, \underline{CB}, (CG, CD), HD NMR$ ”.

In claim 71, line 11, “ $H^{\alpha/\beta} C^{\alpha/\beta} (CO) NHN$ ” should be changed to “ $\underline{H}^{\alpha/\beta} \underline{C}^{\alpha/\beta} (CO) NHN$ ”.

In claim 71, line 12, “ $H^{\alpha/\beta}, C^{\alpha/\beta}, N, HN$ ” should be changed to “ $\underline{H}^{\alpha/\beta}, \underline{C}^{\alpha/\beta}, N, HN$ ”.

In claim 72, line 3, “ $H, C, C, H-COSY$ ” should be changed to “ $\underline{H}, \underline{C}, C, H-COSY$ ”.

In claim 72, line 4, “ $H, C, C, H-TOCSY$ ” should be changed to “ $\underline{H}, \underline{C}, C, H-TOCSY$ ”.

In claim 72, line 12. “H,C,C,H-COSY” should be changed to “H,C,C,H-COSY”.

In claim 72, line 13, “H,C,C,H-TOCSY” should be changed to “H,C,C,H-TOCSY”.

In claim 72, line 15, “ $H^{\alpha/\beta}C^{\alpha/\beta}(CO)NHN$ ” should be changed to “ $H^{\alpha/\beta}C^{\alpha/\beta}(CO)NHN$ ”.

In claim 72, line 16, “ $H^{\alpha/\beta},C^{\alpha/\beta},N,HN$ ” should be changed to “ $H^{\alpha/\beta},C^{\alpha/\beta},N,HN$ ”.

In claim 73, line 10, “H,C,(C-TOCSY-CO),N,HN” should be changed to “H,C,(C-TOCSY-CO),N,HN”.

In claim 73, line 17, “ $H^{\alpha/\beta},C^{\alpha/\beta},N,HN$ ” should be changed to “ $H^{\alpha/\beta},C^{\alpha/\beta},N,HN$ ”.

In claim 74, lines 2-3, “ $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ ” should be changed to “ $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ ”.

In claim 74, line 10, “ $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ ” should be changed to “ $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ ”.

In claim 74, lines 12-13, “H,C,(C-TOCSY-CO),N,HN” should be changed to “H,C,(C-TOCSY-CO),N,HN”.

In claim 74, line 14, “ $H^{\alpha/\beta},C^{\alpha/\beta}N,HN$ ” should be changed to “ $H^{\alpha/\beta},C^{\alpha/\beta}N,HN$ ”.

In claim 75, line 2, “HNN<CO,CA>” should be changed to “HNN<CO,CA>”.

In claim 75, line 9, “HNN<CO,CA>” should be changed to “HNN<CO,CA>”.

In claim 75, line 12, “H,C,(C-TOCSY-CO),N,HN” should be changed to “H,C,(C-TOCSY-CO),N,HN”.

In claim 75, line 13, “ $H^{\alpha/\beta},C^{\alpha/\beta},N,HN$ ” should be changed to “ $H^{\alpha/\beta},C^{\alpha/\beta},N,HN$ ”.

In claim 76, lines 2-3, “ $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ ” should be changed to “ $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ ”.

In claim 76, line 6, “ $^{13}C_i$ ” should be changed to “ $^{13}C'_i$ ”.

In claim 76, line 6, “HNN<CO,CA>” should be changed to “HNN<CO,CA>”.

In claim 76, line 15, “HNN<CO,CA>” should be changed to “HNN<CO,CA>”.

In claim 76, lines 16-17, “ $H^{\alpha/\beta}, C^{\alpha/\beta}_{\beta}, CO, HA$ ” should be changed to “ $\underline{H}^{\alpha/\beta}, \underline{C}^{\alpha/\beta}, CO, HA$ ”.

In claim 78, lines 2-3, “HA,CA,(CO),N,HN” should be changed to “HA,CA,(CO),N,HN”.

In claim 78, line 4, “ ^{15}N ” should be changed to “ $^{15}N_i$ ”.

In claim 78, line 6, “H,C,(C-TOCSY-CO),N,HN” should be changed to “H,C,(C-TOCSY-CO),N,HN”.

In claim 78, line 7, “ $H^{\alpha/\beta}, C^{\alpha/\beta}, N, HN$ ” should be changed to “ $H^{\alpha/\beta}, \underline{C}^{\alpha/\beta}, N, HN$ ”.

In claim 79, line 9, “H,C,(C-TOCSY-CO),N,HN” should be changed to “H,C,(C-TOCSY-CO),N,HN”.

In claim 80, line 3, “HB,CB,(CG,CD),HD” should be changed to “HB,CB,(CG,CD),HD”.

In claim 80, line 9, “HB,CB,(CG, CD),HD” should be changed to “HB,CB,(CG,CD),HD”.

In claim 80, line 11, “ $H^{\alpha/\beta}, C^{\alpha/\beta}, N, HN$ ” should be changed to “ $H^{\alpha/\beta}, \underline{C}^{\alpha/\beta}, N, HN$ ”.

In claim 80, line 12, “H,C,(C-TOCSY-CO),N,HN” should be changed to “H,C,(C-TOCSY-CO),N,HN”.

In claim 81, line 2, “H,C,C,H-COSY” should be changed to “H,C,C,H-COSY”.

In claim 81, line 3, “H,C,C,H-TOCSY” should be changed to “H,C,C,H-TOCSY”.

In claim 81, line 11, “H,C,C,H-COSY” should be changed to “H,C,C,H-COSY”.

In claim 81, lines 11-12, “H,C,C,H-TOCSY” should be changed to “H,C,C,H-TOCSY”.

In claim 81, line 14, “H,C,(C-TOCSY-CO),N,HN” should be changed to “H,C,(C-TOCSY-CO),N,HN”.

In claim 81, line 15, “ $H^{\alpha/\beta}, C^{\alpha/\beta}, N, HN$ ” should be changed to “ $H^{\alpha/\beta}, \underline{C}^{\alpha/\beta}, N, HN$ ”.

In claim 82, line 10, “H,C,(C-TOCSY-CO),N,HN” should be changed to “H,C,(C-TOCSY-CO),N,HN”.

In claim 82, line 17, “HNNCAHA” should be changed to “HNNCAHA”.

In claim 82, line 19, “ $^1\text{H}\alpha_i$ ” should be changed to “ $^1\text{H}^\alpha_i$ ”.

In claim 82, line 27, “ $^{13}\text{C}^{\text{ali}}_{i-1}$ ” should be changed to “ $^{13}\text{C}^{\text{ali}}_{i-1}$ ”.

In claim 83, lines 2-3, “ $\text{H}^{\alpha/\beta}, \text{C}^{\alpha/\beta}, \text{CO}, \text{HA}$ ” should be changed to
“ $\text{H}^{\alpha/\beta}, \text{C}^{\alpha/\beta}, \text{CO}, \text{HA}$ ”.

In claim 83, line 11, “ $\text{H}^{\alpha/\beta}, \text{C}^{\alpha/\beta}, \text{CO}, \text{HA}$ ” should be changed to
“ $\text{H}^{\alpha/\beta}, \text{C}^{\alpha/\beta}, \text{CO}, \text{HA}$ ”.

In claim 83, lines 13-14, “ $\text{H}, \text{C}, (\text{C-TOCSY-CO}), \text{N}, \text{HN}$ ” should be changed to
“ $\text{H}, \text{C}, (\text{C-TOCSY-CO}), \text{N}, \text{HN}$ ”.

In claim 83, line 15, “ HNNCAHA ” should be changed to “ HNNCAHA ”.

In claim 84, line 9, “ $\text{HNN}<\text{CO}, \text{CA}>$ ” should be changed to “ $\text{HNN}<\text{CO}, \text{CA}>$ ”.

In claim 84, line 12, “ $\text{H}, \text{C}, (\text{C-TOCSY-CO}), \text{N}, \text{HN}$ ” should be changed to
“ $\text{H}, \text{C}, (\text{C-TOCSY-CO}), \text{N}, \text{HN}$ ”.

In claim 84, line 13, “ HNNCAHA ” should be changed to “ HNNCAHA ”.

In claim 85, lines 2-3, “ $\text{H}^{\alpha/\beta}, \text{C}^{\alpha/\beta}, \text{CO}, \text{HA}$ ” should be changed to
“ $\text{H}^{\alpha/\beta}, \text{C}^{\alpha/\beta}, \text{CO}, \text{HA}$ ”.

In claim 85, line 9, “ $\text{HNN}<\text{CO}, \text{CA}>$ ” should be changed to “ $\text{HNN}<\text{CO}, \text{CA}>$ ”.

In claim 85, lines 11-12, “ $^{13}\text{C}^{\alpha}_{i-1}$ ” should be changed to “ $^{13}\text{C}^{\alpha}_{i+1}$ ”.

In claim 85, line 17, “ $\text{HNN}<\text{CO}, \text{CA}>$ ” should be changed to
“ $\text{HNN}<\text{CO}, \text{CA}>$ ”.

In claim 85, lines 18-19, “ $\text{H}^{\alpha/\beta}, \text{C}^{\alpha/\beta}, \text{CO}, \text{HA}$ ” should be changed to
“ $\text{H}^{\alpha/\beta}, \text{C}^{\alpha/\beta}, \text{CO}, \text{HA}$ ”.

In claim 86, lines 2-3, “ $\text{H}^{\alpha/\beta} \text{C}^{\alpha/\beta} (\text{CO}) \text{NHN}$ ” should be changed to
“ $\text{H}^{\alpha/\beta} \text{C}^{\alpha/\beta} (\text{CO}) \text{NHN}$ ”.

In claim 86, line 9, “ $\text{H}^{\alpha/\beta} \text{C}^{\alpha/\beta} (\text{CO}) \text{NHN}$ ” should be changed to
“ $\text{H}^{\alpha/\beta} \text{C}^{\alpha/\beta} (\text{CO}) \text{NHN}$ ”.

In claim 86, lines 12-13, “ $\text{H}, \text{C}, (\text{C-TOCSY-CO}), \text{N}, \text{HN}$ ” should be changed to
“ $\text{H}, \text{C}, (\text{C-TOCSY-CO}), \text{N}, \text{HN}$ ”.

In claim 87, line 2, “ $\text{H}^{\alpha/\beta} \text{C}^{\alpha/\beta}, \text{N}, \text{HN}$ ” should be changed to “ $\text{H}^{\alpha/\beta} \text{C}^{\alpha/\beta}, \text{N}, \text{HN}$ ”.

In claim 87, line 8, “ $\text{H}^{\alpha/\beta} \text{C}^{\alpha/\beta}, \text{N}, \text{HN}$ ” should be changed to “ $\text{H}^{\alpha/\beta} \text{C}^{\alpha/\beta}, \text{N}, \text{HN}$ ”.

In claim 87, lines 10-11, “ $\text{H}, \text{C}, (\text{C-TOCSY-CO}), \text{N}, \text{HN}$ ” should be changed to
“ $\text{H}, \text{C}, (\text{C-TOCSY-CO}), \text{N}, \text{HN}$ ”.

In claim 88, line 9, “H,C,(C-TOCSY-CO),N,HN” should be changed to “H,C,(C-TOCSY-CO),N,HN”.

In claim 89, line 3, “HB,CB,(CG,CD),HD” should be changed to “HB,CB,(CG,CD),HD”.

In claim 89, line 9, “HB, CB,(CG, CD), HD” should be changed to “HB,CB,(CG,CD),HD”.

In claim 89, line 11, “H,C,(C-TOCSY-CO),N,HN” should be changed to “H,C,(C-TOCSY-CO),N,HN”.

In claim 90, line 2, “H,CC,H-COSY” should be changed to “H,C,C,H-COSY”.

In claim 90, line 3, “H,C,C,H-TOCSY” should be changed to “H,C,C,H-TOCSY”.

In claim 90, line 11, “H,C,C,H-COSY” should be changed to “H,C,C,H-COSY”.

In claim 90, lines 11-12, “H,C,C,H-TOCSY” should be changed to “H,C,C,H-TOCSY”.

In claim 90, line 14, “H,C,(C-TOCSY-CO),N,HN” should be changed to “H,C,(C-TOCSY-CO),N,HN”.

In claim 90, line 15, “HNNCAHA” should be changed to “HNNCAHA”.

In claim 91, line 8, “H^{α/β}C^{α/β}(CO)NHN” should be changed to “H^{α/β}C^{α/β}(CO)NHN”.

In claim 91, line 9, “HA,CA,(CO),N,HN” should be changed to “HA,CA,(CO),N,HN”.

In claim 91, line 10, “H,C,(C-TOCSY-CO),N,HN” should be changed to “H,C,(C-TOCSY-CO),N,HN”.

In claim 91, line 13, “HNNCAHA” should be changed to “HNNCAHA”.

In claim 91, line 14, “H^{α/β},C^{α/β},N,HN” should be changed to “H^{α/β}C^{α/β},N,HN”.

In claim 91, line 15, “HNN<CO,CA>” should be changed to “HNN<CO,CA>”.

In claim 91, line 17, “H,C,C,H-COSY” should be changed to “H,C,C,H-COSY”.

In claim 91, line 20, “HB,CB,(CG,CD),HD” should be changed to “HB,CB,(CG,CD),HD”.

In claim 92, line 2, “H,C,H-COSY” should be changed to “H,C,H-COSY”.

In claim 93, line 2, " $H^{\alpha/\beta}C^{\alpha/\beta}(CO)NHN$ " should be changed to " $H^{\alpha/\beta}C^{\alpha/\beta}(CO)NHN$ ".

In claim 93, line 3, "HNNCAHA" should be changed to "HNNCAHA".

In claim 94, lines 2-3, "HA,CA,(CO),N,HN" should be changed to "HA,CA,(CO),N,HN".

In claim 94, line 5, " $H^{\alpha/\beta}C^{\alpha/\beta}(CO)NHN$ " should be changed to " $H^{\alpha/\beta}C^{\alpha/\beta}(CO)NHN$ ".

In claim 95, lines 2-3, "H,C,(C-TOCSY-CO),N,HN" should be changed to "H,C,(C-TOCSY-CO),N,HN".

In claim 96, line 2, " $H^{\alpha/\beta},C^{\alpha/\beta},N,HN$ " should be changed to " $H^{\alpha/\beta},C^{\alpha/\beta},N,HN$ ".

In claim 97, line 2, "HNN<CO,CA>" should be changed to "HNN<CO,CA>".

In claim 98, lines 2-3, " $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ " should be changed to " $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ ".

In claim 98, lines 4-5, "carbons," should be changed to "carbons, ^{13}C '".

In claim 99, line 2, "HNN<CO,CA>" should be changed to "HNN<CO,CA>".

In claim 99, line 3, " $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ " should be changed to " $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ ".

In claim 100, lines 3-4, "H,C,C,H-TOCSY" should be changed to "H,C,C,H-TOCSY".

In claim 101, lines 3-4, "H,C,C,H-TOCSY" should be changed to "H,C,C,H-TOCSY".

In claim 103, line 2, "H,C,(C-TOCSY-CO),N,HN" should be changed to "H,C,(C-TOCSY-CO),N,HN".

In claim 103, line 4, "HNNCAHA" should be changed to "HNNCAHA".

In claim 104, lines 3-4, "HA,CA,(CO),N,HN" should be changed to "HA,CA,(CO),N,HN".

In claim 104, line 5, "H,C,(C-TOCSY-CO),N,HN" should be changed to "H,C,(C-TOCSY-CO),N,HN".

In claim 105, lines 3-4, " $H^{\alpha/\beta},C^{\alpha/\beta},N,HN$ " should be changed to " $H^{\alpha/\beta},C^{\alpha/\beta},N,HN$ ".

In claim 106, line 3, "HNN<CO,CA>" should be changed to "HNN<CO,CA>".

In claim 107, lines 3-4, “ $H^{\alpha/\beta}C^{\alpha/\beta}CO,HA$ ” should be changed to “ $\underline{H}^{\alpha/\beta},\underline{C}^{\alpha/\beta},CO,HA$ ”.

In claim 108, line 3, “ $HNN<CO,CA>$ ” should be changed to “ $HNN<\underline{CO},\underline{CA}>$ ”.

In claim 108, line 4, “ $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ ” should be changed to “ $\underline{H}^{\alpha/\beta},\underline{C}^{\alpha/\beta},CO,HA$ ”.

In claim 109, lines 3-4, “ $H,C,C,H-TOCSY$ ” should be changed to “ $\underline{H},\underline{C},C,H-TOCSY$ ”.

In claim 110, lines 3-4, “ $H,C,C,H-TOCSY$ ” should be changed to “ $\underline{H},\underline{C},C,H-TOCSY$ ”.

In claim 112, line 2, “ $H,C,(C-TOCSY-CO),N,HN$ ” should be changed to “ $\underline{H},\underline{C},(C-TOCSY-CO),N,HN$ ”.

In claim 112, lines 3-4, “ $H^{\alpha/\beta},C^{\alpha/\beta},N,HN$ ” should be changed to “ $\underline{H}^{\alpha/\beta},\underline{C}^{\alpha/\beta},N,HN$ ”.

In claim 113, lines 3-4, “ $HA,CA,(CO),N,HN$ ” should be changed to “ $\underline{HA},\underline{CA},(CO),N,HN$ ”.

In claim 113, lines 5-6, “ $H,C,(C-TOCSY-CO),N,HN$ ” should be changed to “ $\underline{H},\underline{C},(C-TOCSY-CO),N,HN$ ”.

In claim 114, lines 3-4, “ $H^{\alpha/\beta}C^{\alpha/\beta}(CO)NHN$ ” should be changed to “ $\underline{H}^{\alpha/\beta}\underline{C}^{\alpha/\beta}(CO)NHN$ ”.

In claim 114, lines 5-6, “ $H,C,(C-TOCSY-CO),N,HN$ ” should be changed to “ $\underline{H},\underline{C},(C-TOCSY-CO),N,HN$ ”.

In claim 115, line 3, “ $HNN<CO,CA>$ ” should be changed to “ $HNN<\underline{CO},\underline{CA}>$ ”.

In claim 116, lines 3-4, “ $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ ” should be changed to “ $\underline{H}^{\alpha/\beta},\underline{C}^{\alpha/\beta},CO,HA$ ”.

In claim 117, line 3, “ $HNN<CO,CA>$ ” should be changed to “ $HNN<\underline{CO},\underline{CA}>$ ”.

In claim 117, line 4, “ $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ ” should be changed to “ $\underline{H}^{\alpha/\beta},\underline{C}^{\alpha/\beta},CO,HA$ ”.

In claim 118, lines 3-4, “ $H,C,C,H-TOCSY$ ” should be changed to “ $\underline{H},\underline{C},C,H-TOCSY$ ”.

In claim 119, lines 3-4, "H,C,C,H-TOCSY" should be changed to "H,C,C,H-TOCSY".

In claim 121, line 2, "H,C,(C-TOCSY-CO),N,HN" should be changed to "H,C,(C-TOCSY-CO),N,HN".

In claim 121, line 4, "HNN<CO,CA>" should be changed to "HNN<CO,CA>".

In claim 122, lines 3-4, "HA,CA,(CO),N,HN" should be changed to "HA,CA,(CO),N,HN".

In claim 122, line 5-6, "H,C,(C-TOCSY-CO),N,HN" should be changed to "H,C,(C-TOCSY-CO),N,HN".

In claim 123, lines 3-4, " $H^{\alpha/\beta}C^{\alpha/\beta}(CO)NHN$ " should be changed to " $H^{\alpha/\beta}C^{\alpha/\beta}(CO)NHN$ ".

In claim 123, line 5-6, "H,C,(C-TOCSY-CO),N,HN" should be changed to "H,C,(C-TOCSY-CO),N,HN".

In claim 124, lines 3-4, " $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ " should be changed to " $H^{\alpha/\beta},C^{\alpha/\beta},CO,HA$ ".

In claim 125, lines 3-4, "H,C,C,H-TOCSY" should be changed to "H,C,C,H-TOCSY".

In claim 126, lines 3-4, "H,C,C,H-TOCSY" should be changed to "H,C,C,H-TOCSY".